

Claims

What is claimed is

- 5 1. A method for allocating network resources by just-in-time modulation of quality of service (QoS) comprising steps of
 - recording QoS demands and resource usage,
 - predicting required QoS demands,
 - deriving and propagating QoS demands, and
 - 10 - coordinating concurrent QoS demands of a manifold of users,
 wherein recording QoS demand and predicting required QoS demand are based on service-usage and user-behavior acquired by recording events at a client terminal of a user as user-behavior and aggregated in a QoS user profile.
- 15 2. The method according to claim 1, wherein the activities are performed with respect to defined QoS user preferences specifying the recording, predicting, deriving and propagating, and coordinating in relation to system conditions.
- 20 3. The method according to claim 1, wherein said QoS user preferences specify a QoS demanding strategy.
- 25 4. The method according to claim 1, wherein the prediction is realized by a neuronal network.
5. The method according to claim 1, wherein the coordinating concurrent QoS demands of a manifold of users comprises the steps of evaluating

QoS demands and balancing QoS grants based on the QoS user profiles.

- 5 6. A telecommunication network comprising a client terminal and a scheduler server, said client terminal comprising communication means for requiring and using network resources and quality of service (QoS) demands, said scheduler server comprising scheduling or dispatching means allocating network resources based on QoS demands, wherein the client terminal further comprises acquiring means for recording
10 events of a user as user-behavior and aggregation means for aggregating user-behavior in a QoS user profile, and wherein the communication means comprises demanding means for demanding predicted quality of service (QoS) demands based on service-usage and said user-behavior, and wherein said scheduling or dispatching means
15 comprises coordinating means for coordinating concurrent QoS demands of a manifold of users and evaluation and balancing means for evaluating QoS demands and balancing QoS grants based on QoS user profile comprising aggregated service-usage and user-behavior received from a client terminal.
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- 25 7. A client terminal comprising communication means for requiring and using network resources and quality of service (QoS) demands, wherein the client terminal further comprises acquiring means for recording events of a user as user-behavior and aggregation means for aggregating user-behavior in a QoS user profile, and wherein the communication means comprises demanding means for demanding predicted QoS demands based on service-usage and said user-behavior.

8. The client terminal according to claim 7, wherein the client terminal comprises further communication means for providing the QoS user profiles to a scheduler server.
- 5 9. A scheduler server comprising scheduling or dispatching means allocating network resources based on QoS demands, wherein said scheduling or dispatching means comprises coordinating means for coordinating concurrent QoS demands of a manifold of users and evaluation and balancing means for evaluating QoS demands and
10 balancing QoS grants based on QoS user profile comprising aggregated service-usage and user-behavior received from a client terminal.
- 10.A computer software product for allocating network resources by just-in-
15 time modulation of quality of service (QoS), such a computer software product comprising programming means for performing the method according to claim 1.